Work Order Schedule

Prerequisite for scheduling work orders:
1. Items :
Active Input and active output items used in the work order should be available in item maintenance.

2. Recipe :

There should be an active recipe available for the work order item.

You can create a new recipe here.

3. Pack Type :

Pack Type used in the work order should be available in Pack Types maintenance .

4. Manufacturing Cell :

Manufacturing cell used in the work order should be available and also pack type should be associated with it.

5. Machines :

Machines used for the work order should be available and also pack type should be associated with it.

6. Production Calendar:

Active calendar should be available for the manufacturing cell which is used in the work order.

7. Item Configurations :

Manufacturing cell has to be associated with the work order item in item maintenance.

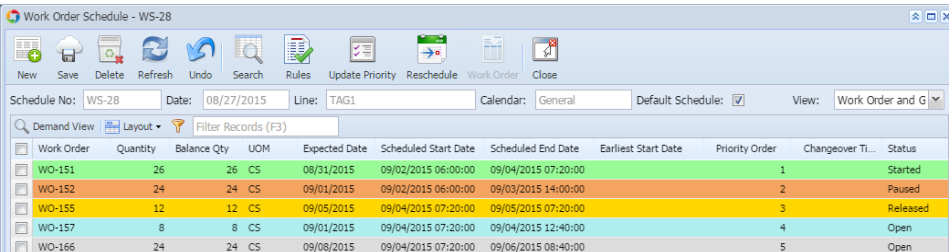Pack Type should be mapped with the work order item

8. Company Locations :

Work order item category should be associated with the manufacturing cell in company locations maintenance.

9. Process and machine map :

Machines required for the work order should be associated with the process in Manufacturing Process maintenance.

Overview:
Work Order Schedule screen allows user to schedule work orders. Schedule considers available machines and shifts for the dates mentioned in work orders. User can change the priority for the work orders and reschedule based on their requirement.

Work Orders Scheduling:

- Work orders will be listed by selecting the schedule number.
- Each work order will have the following information

Column Name	Description
Work Order	Work Order number
Quantity	Work Order Quantity
Balance Quantity	Balance Quantity
UOM	UOM for material quantity

Expected Date	Schedule Expected date
Scheduled Start Date	Schedule Start Date
Scheduled End Date	Schedule End Date
Earliest Start Date	User can select the earliest start date
Priority Order	Priority Order
Change Over Time	Change Over Time
Status (Dropdown)	User can select the status
Machine Count	Available Machines count
Freeze (Check Box)	User can freeze/unlock the Work Order
Item	Material name
Description	Material Description
Shift	Shift Name
Make Type	Production make type
Order Date	Date created
Blend	Blend name used for Material
Packing	Pack Type
Comments	Work Order user comments
Additional Comments	Comment fields not visible to production screen
Note	Will Display the comments for deviations.
Change Line(Dropdown)	User can change the line.

- The work orders are displayed in sorted order based on "Priority Order"
- Below columns can be changed or modified as required:
    - Quantity
    - Expected Date
    - Earliest Start Date
    - Priority Order
    - Machine count
    - Comments
    - Additional Comments
- All the new work orders have status "NEW"
- User will have to change the status of a "NEW" work order to "OPEN" in order to schedule
- Once the work order is open, it can be released to allow production
- User can freeze/unlock any work order till the work order is started in production
- User can change the line of the work order
- User can close any work order as required
- After making changes in work order or priority, the work orders should be re-scheduled
- The work orders are color coded based on status. This color code can be defined as required

Button Name	Function
New	To create a New Schedule
Save	To save the schedule details
Delete	To delete the schedule

Refresh	To refresh the screen to get the latest data	
Undo	To revert the changes made by the user	
Search	To open an existing schedule from the Work Order Schedule screen	
Rules	To apply production schedule rules for the schedule	
Update Priority	To update work orders priority	
Reschedule	To reschedule work orders	
Work Order	To open Work Order Editor details screen from work order schedule screen	
Close	To close Work Order Schedule screen	

Scheduling Features:

Change status:

User can change the status of the work orders using the **Status** column as shown in the below screenshot:

Priority Order	Changeover Ti...	Status	Machine Count	Freeze	Item	Description
1		Started	1	☐	FG01	FG01 - Finishe...
2		Paused	1	☐	FG01	FG01 - Finishe...
3		Released	1	☐	FG01	FG01 - Finishe...
4			1	☐	FG01	FG01 - Finishe...
5		Name				01 - Finishe...
		Open				
		New				
		Released				

Freeze/Unlock Work Order:

User normally freezes the work order so that the work orders will not be allowed to change the due date, production line, etc

Work orders with "Open" status will only be allowed to "Freeze"

- Select the work order
- ☑ Check the checkbox under Freeze column to freeze the OPEN order
- ☐ Uncheck the checkbox to unlock the frozen work order

Update Priority Order:

User can either enter the priority order manually under **Priority Order** column (or)

This button is used to update the priority order of the work orders in sequence based on the work order status:

Search Button:

This option is used to open an existing schedule from the Work order schedule screen

1. Click on **Search** button
2. Select the schedule
3. Click on Open Selected

Work Order button:

This button is used to edit or view the work order

- Select the work order

- Click on **Work Order** button

Demand View button:

To open demand view window for the selected work order

- Select the work order
- Click on **Demand View** button

Change Line:

To change the production line of a work order with **OPEN** status

- Click on the **Change Line** dropdown of the work order
- It displays all the Production lines to which work order can be changed.
- User can select the New Line